

T865 (RGB) i11-

IR LED Controller

User Manual



Please read this manual carefully before using this controller.

● **Instructions:**

Thanks for using T865 (RGB) i11- controller of our company. Before installation, please read this manual carefully to ensure fully understand and proper use in order to avoid unnecessary damages to the controller.

Before using, please check to confirm whether there is any damage caused during the transport process, if there is, please notify your supplier and do not use the product.

● **After-sale services:**

Warranty of this product is one year, in this period we guarantee repairing or replacement service with no charge if it is normally used according to the instruction.

If the customer does not follow the instructions and following provisions in this manual, which results in product damage, the supplier is not responsible for any problems arising and defects, even in the warranty period, maintenance costs borne by the customer.

1. Damage caused by misuse, such as not in accordance with the instructions.
2. Damages caused by unauthorized removal, repair, modify of the circuit; incorrect connection and replacement of the chips.
3. Damage caused by transportation, shock, falling after purchase.
4. Damage caused by earthquake, fire, flood, lightning and abnormal voltage.
5. Damage caused by negligence or improper maintenance, such as storage at high temperature and humid environment, vicinity of hazardous chemical substances.
6. Replacement of products.

● **Instructions for safety:**

Making sure you use the product perfectly and safely, please observe the instructions and warning on this manual. Attention! Operate cautiously and read these instructions carefully.

1. For installation, try to avoid the minefields, strong magnetic field and high-pressure area.
2. Ensure that the wire is connected correctly and firmly in order to avoid short-circuit damage to parts and posing a fire hazard.
3. Please install controller in a well-ventilated place to ensure the ambient temperature is moderate.
4. Before using, please check the DC power and voltage meet the product technical requirements; positive & negative polarity is defined consistent to the product (with CV power supply)
5. Prohibit live wiring, check to confirm wiring is correct, if no short-circuit, then power!
6. If any problems do not make unauthorized repairs. Any doubts please contact your local supplier.

This manual applies only to this product of our company, subject to changes without notice.

● Introduction

T865 (RGB) i11- series controller is a smart single color controller dedicated to LED light, using the most advanced PWM (Pulse Width Modulation) digital control technology, the controller can be operated through IR remote control. The installation of LED controller can apply to commercial or home lighting on different occasion with different environment, extend the LED life span, and save energy.

1. Technology specifications

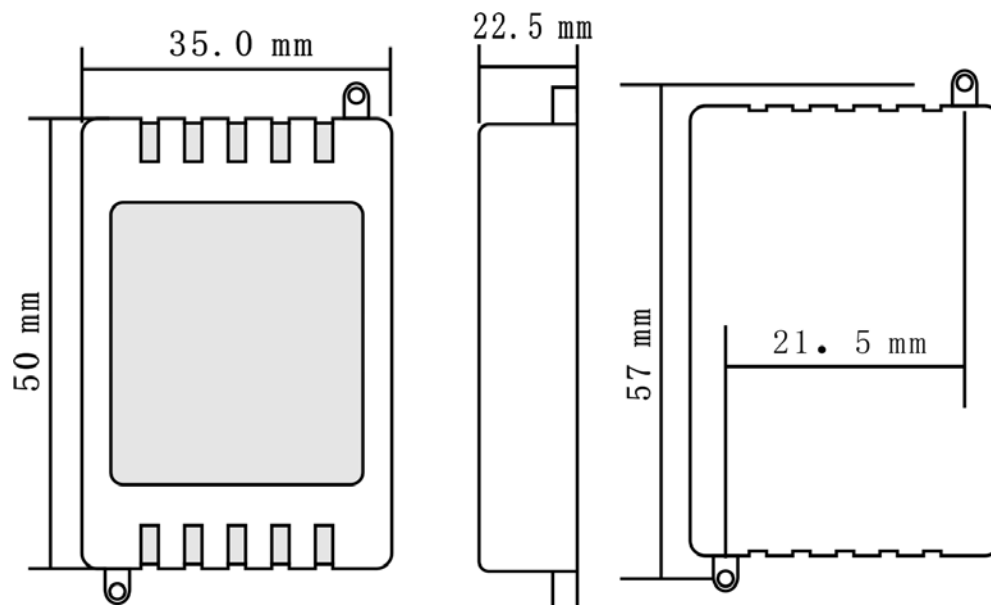
Type	T865(RGB)i11-
Input power	DC12V~24V
Output signal	One channel
Max load current	4A*1CH
Output power	48W(12V)/96W(24V)
Controller dimension	L62*W35*H22MM
Remote dimension	L85*W52*7MM

2. Functions

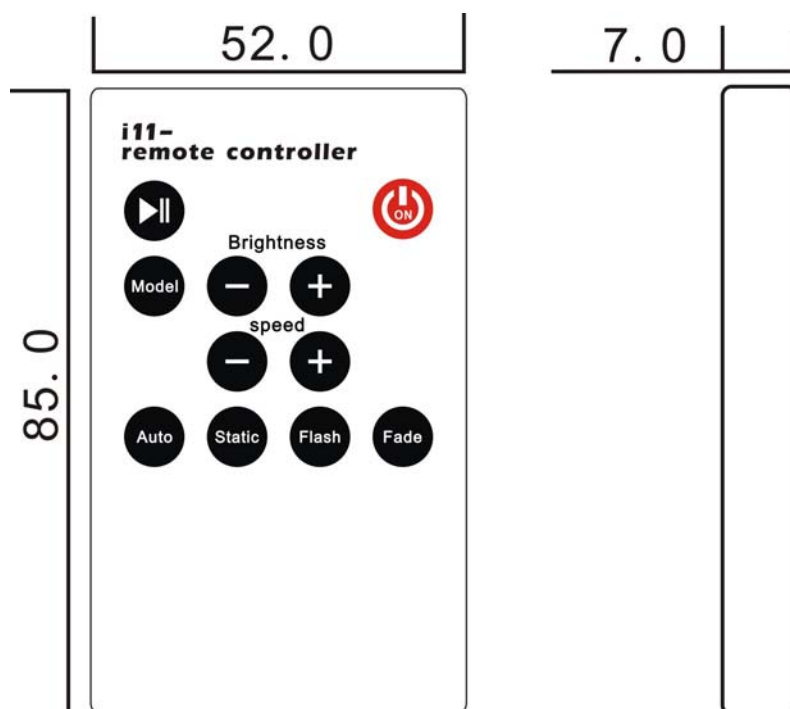
- (1).Single color LED strip controller.
- (2).Control way: IR remote control, available in 8-meter (No barriers).
- (3).Brightness of static can be adjusted; strobe speed can be adjusted;
- (4). Power down memory function;

3. Structure










(1).View of major controller: (chart 1)

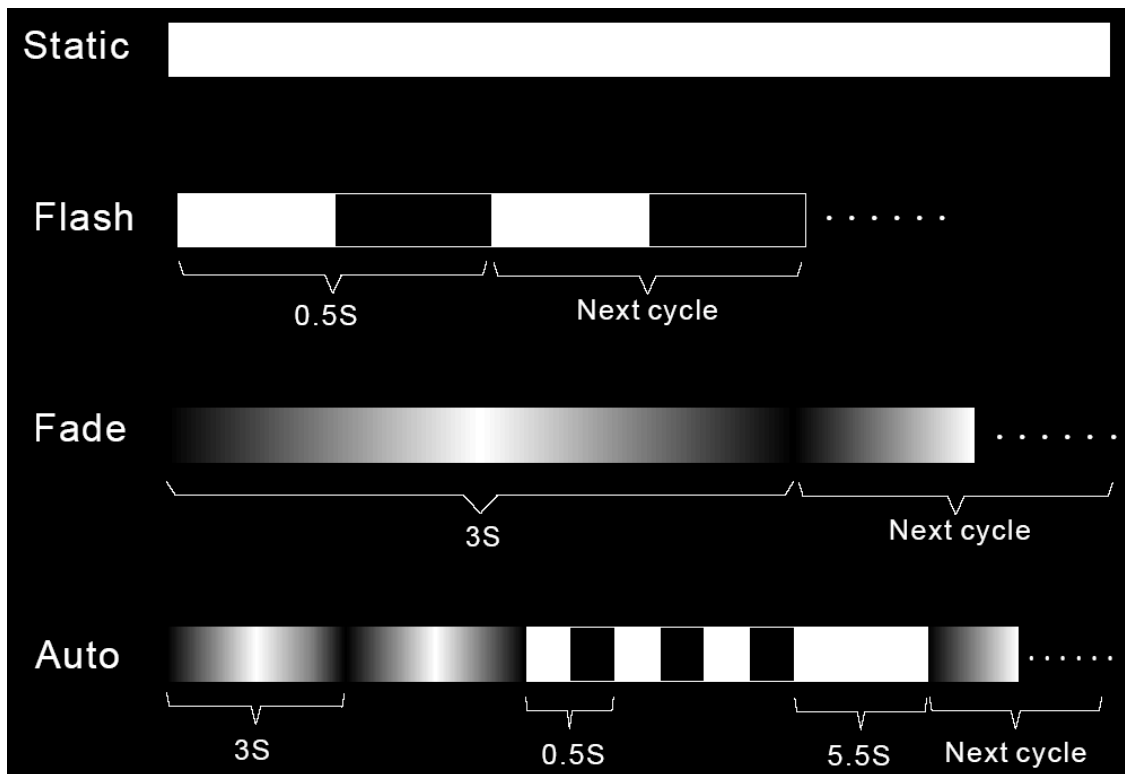


(2). View of remote controller (chart 2).



(3).Descriptions for remote keys. (Table 1)

Symbol	Function	Remark
	Pause	
	On/Off	
	Brightness up/down	
	Speed up/down	
	Static	Normally on, brightness can be adjusted(8 level)
	Flash	On and off alternatively
	Fade	Fade in and out, speed can be adjusted.
	Refer to below picture for detail	/
	Mode choose	See table below



6 Modes under Model Key, in the list below:

No.	Description
1	Static
2	Flash
3	Fade
4	Auto
5	Flash for 30 times in 1 sec, then normally on for 1 sec, cycling in order
6	From dark to light in 1 sec, and flash for 10 times in 1 sec, then off for 1 sec, cycling in order.


4. Failure analysis and solutions

Failure	Analysis	Solutions
No light	<ol style="list-style-type: none">1. No power.2. Reversed the polarity.3. Wrong connection or poor contact.4. LED light has been bad.	<ol style="list-style-type: none">1. Check the power2. Make sure the polarity is right.3. Re-check the wire connection.4. Replace a new LED light.
Brightness of LED is not consistent	<ol style="list-style-type: none">1. Input wire is too long to cause wire loss.2. Diameter of wire is too thin to cause wire loss.3. Power overload.4. Controller overload.	<ol style="list-style-type: none">1. Shorten wire or use loop circuit.2. Calculate the current, and then replace thick wire.3. Replace larger power.4. Add a power amplifier

Tips: The effective power is generally only 80% of the marked power, so it is recommended in selecting the power supply, the user choose a slightly larger one than the LED load power, at least for more than 20%!

5. Packaging

(1). Packaging list (Table 2).

Symbol	Name	Picture	External dimension(mm)	QTY	Unit
A	T865(RGB)i11- controller		L62*W35*L22(mm)	1	PCS
B	IR remote		L125xW57xL7(mm)	1	PCS
C	User manual	865E0RGB	A6 sheet	1	PCS

(2). Carton packaging

Small Box Packing: 28PCS/carton

